

Wind Vane Wind Direction Sensor WS-202



Product Features:

Adopting non-contact magnetic sensing measurement principle, high measurement accuracy and strong reliability; the whole adopts high-precision alloy material, polyester coating, strong wind resistance, strong corrosion resistance; convenient observation, stable and reliable; circuit The protection adopts fault-tolerant design; meets CE EMC standards, multi-level lightning and surge protection design

Application: Monitoring and control of high-altitude operation process; monitoring and control of construction machinery operation process; monitoring and control of weather stations and environmental protection; monitoring and control of ports and docks.

WS-202 **wind direction sensor** is a high-reliability and high-performance wind direction measurement sensor. The product has a built-in protection circuit that is strong against radio frequency, anti-electromagnetic interference and lightning surge. It is used for construction machinery, railways, ports, docks, and power plants. WS-202 **wind direction sensor** used to measure wind direction in fields such as meteorology, ropeway, environment, greenhouse, and breeding. The main structural parts are made of alloy materials with surface treatment. The product has good waterproof and corrosion resistance. The internal and rotating parts are all sealed, which can effectively prevent the intrusion of water, salt spray and sand dust.

Features

Non-contact magnetic sensor measurement principle, high measurement accuracy and strong reliability
Using high-precision alloy material, polyester coating, strong wind resistance and corrosion resistance
Convenient observation, stable and reliable
Sensor circuit protection adopts fault-tolerant design
Comply with CE EMC standard, multi-level lightning and surge protection design
Exquisite design, simple installation

Application

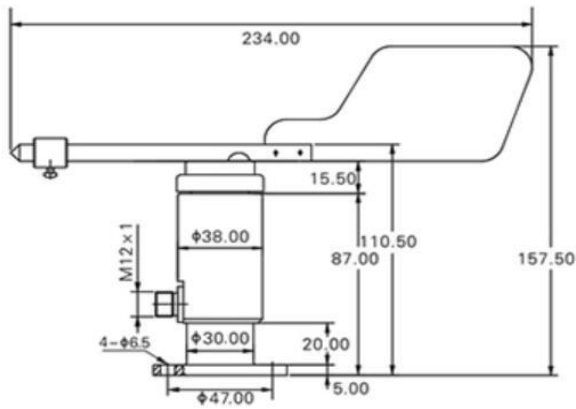
Monitoring and control of high-altitude operations
Monitoring and control of construction machinery operation process
Monitoring and control of weather stations and environmental protection
Monitoring and control of ports and docks

Technical Parameters

Product number	WS-202
Measuring range	0~360

Output signal	4~20mA, 0~5V, 0~10V, Modbus485
Supply voltage	15~30VDC
Precision	±3
Starting wind speed	≤0.5m/s
Wind strength	> 70m/S 30min
Operating temperature	-20~+85°C
Humidity	0%~95% (Non-condensing)
Storage temperature	-40°C~125°C
Electrostatic protection	15KV
Material	Aluminum alloy/polyester layer
Protection level	IP65
Electrical connections	M12 connector
Heating method	—
Heating voltage	—
Heating power	—

Shape structure and electrical connection



Direct outlet	Wire system	output signal	No.	Wiring rules	
	3-Wire	Current type	1	+Vcc	Brown
			2	+Iout	White
			3	GND	Blue
			4	PE	Black
	3-Wire	Voltage type	1	+Vcc	Brown
			2	+Vout	White
			3	GND	Blue
			4	PE	Black